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**New pyrazolopyridine compounds useful as adenosine antagonists for treating depression, anxiety, asthma, heart failure, nephrosis, ulcers, sudden infant death syndrome etc.**

Patent Assignee: FUJISAWA PHARM CO LTD (FUJI )

Inventor: AKAHANE A; ITANI H; KURODA S; NISHIMURA S

Number of Countries: 023 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9967239	A1	19991229	WO 98JP2794	A	19980622	200013 B
JP 11562927	X	20010410	WO 98JP2794	A	19980622	200128
			JP 99562927	A	19980622	

Priority Applications (No Type Date): WO 98JP2794 A 19980622

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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MC NL PT SE

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Abstract (Basic): WO 9967239 A1

Abstract (Basic):

NOVELTY -

3-(2-Substituted-3-oxo-2,3-dihydropyridazin-6-yl)-2-phenylpyrazolo(1,5-a)pyridine compounds (I) and their salts are new.

DETAILED DESCRIPTION -

3-(2-Substituted-3-oxo-2,3-dihydropyridazin-6-yl)-2-phenylpyrazolo(1,5-a)pyridine compounds of formula (I) and their salts are new.

R=alkanoylalkyl (optionally substituted by cycloalkylalkanoylalkyl, optionally substituted and optionally protected carboxy, optionally substituted aryl unsaturated heterocyclyl, optionally substituted pyrrolidinyl, morpholino, optionally substituted piperazinyl, or thiomorpholino), N-(optionally substituted alkyl)carbamoylalkyl, N,N-dialkylcarbamoylmethyl or optionally substituted piperidinylalkanoylmethyl;

alkyl and alkanoyl groups are lower.

ACTIVITY - Analgesic; antidepressant; diuretic; cardiant; vasodilator; antiasthmatic; platelet aggregation inhibitor

MECHANISM OF ACTION - Adenosine antagonist

3-(2-(1-Methyl-2-oxopropyl)-3-oxo-2,3-dihydropyridazin-6-yl)-2-phenylpyrazolo(1,5-a)pyridine at 320 nM suppressed binding to rat adrenal cortex A1 receptors by more than 90 %.

USE - (I) are adenosine antagonists used to treat animals and humans (claimed). Useful as nootropics, anti-dementia, neural stimulants, analgesics, cardioprotectants, antidepressants, cerebral circulation improvers, tranquillizers, agents for heart failure, hypotensives, bronchodilators, diuretics, immunosuppressants associated

with adenosine, for strengthening cognition, increasing motility, cardioprotection, vasodilation, renal blood flow promotion, renal protection and function improvement, lipid degradation promotion, insulin secretion stimulation, erythropoietin production accelerator, platelet aggregation inhibitor, for treating nephrotoxicity, edema, obesity, asthma, apnea, gout, high blood levels of uric acid, sudden infant death syndrome (SIDS), diabetes, ulcers, pancreatitis, Meniere's syndrome, anemia, thrombosis, myocardial infarct, embolism, occlusive arteriosclerosis, thrombotic arteritis, cerebral ischemia, angina, Parkinson's disease, anxiety, ischemic reperfusion, shock, post-surgical circulatory failure, post-resuscitation contraction failure, arrhythmia, electromechanical dissociation, hemodynamic collapse, systemic inflammatory response syndrome, multi-organ failure, nephrotic syndrome, nephritis, osteoporosis and catalepsy.

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